

11 September 1958

MEMORANDUM FOR: THE RECORD

SUBJECT : Recommendations Relative to the 35 mm Time
Sequence Camera, P-125DREFERENCE : Memo for C/TSS/APD from C/TSS/PSD dated 26 August
1958, Subj: Operational Evaluation of 35 mm Time
Lapse Camera

1. Referenced report has been received and reviewed. This office has been requested by [] to examine the present design with regard to the desired modifications and offer recommendations for further effort.

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2. Subject to closer study of design details, APD/OB recommends that the 35 mm time sequence camera be modified to pulse operation and that the additional time sequence cameras under contract not be completed. This recommendation is predicated on the following:

A. APD/OB concurs with PSD that pulse operation is more desirable than time sequencing.

B. It will take no more time and somewhat less money to complete the five units presently under contract with pulse operation and certain other requested features.

3. The following requests by PSD can be filled with no difficulty:

A. Battery configuration

B. Single frame or burst of several frames at 1 frame per second

C. Elimination of 200' film magazine capacity

D. Instruction manual improvement

E. Means for inactivation of automatic shutter control

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4. The following requests will be possible to fill in part. It will be necessary to determine certain aspects of the camera design and to discuss requirements with PSD before the extent of fulfillment can be determined.

- A. Leica lens mounting
- B. External reflex housing
- C. Shutter speed range - 1/4 to 1/1000
- D. "Tamper-proofing" of controls
- E. Silent operation
- F. Maximum ASA settings to be provided

5. Certain of the requested features are not practical to incorporate unless a new design is initiated. In some cases, it may not be possible to achieve the requested feature at the present state of the art. The following are among these:

- A. Internal reflex housing
- B. 1/2 second or shorter recycle time
- C. Battery charge status indicator

6. In addition to the requested features, it is felt the following are essential for effective use of system:

- A. Time recording
- B. Ground-glass focusing attachment
- C. Means for automatically holding shutter open

TSS/APD/OB

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Distribution:

- Orig. & 3 -
- 1 - P-125D
 - 1 - RPM
 - 1 - Chrono

APPROVED:

CHIEF, TSS/APD/OB

RPM:ls (11 Sep 50)

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